

<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)  <b>PTO Form 1449</b>	Attorney Docket No. 041993-5220	Application No.: Unassigned
	Applicant: Chang-Seok GEUM	
	Filing Date: September 12, 2003	Sheet 1 of 10  Group Art Unit: Unassigned

<b>U.S. PATENT DOCUMENTS</b>
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*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
MBC	3,978,580	09/07/1976	Leupp, et al.			09/27/1974
MBC	4,094,058	06/13/1978	Yasutake, et al.			07/23/1976
MBC	4,653,864	03/31/1987	Baron, et al.			02/26/1986
MBC	4,691,995	09/08/1987	Yamazaki, et al.			07/15/1986
MBC	4,775,225	10/04/1988	Tsuboyama, et al.			05/14/1986
MBC	5,247,377	09/21/1993	Omeis, et al.			07/24/1989
MBC	5,263,888	11/23/1993	Ishihara, et al.			02/11/1993
MBC	5,379,139	01/03/1995	Sato, et al.			07/06/1992
MBC	5,406,989	04/18/1995	Abe			10/12/1993
MBC	5,499,128	03/12/1996	Hasegawa, et al.			03/15/1994
MBC	5,507,323	04/16/1996	Abe			11/22/1994
MBC	5,511,591	04/30/1996	Abe			04/10/1995
MBC	5,539,545	07/23/1996	Shimizu, et al.			05/17/1994
MBC	5,548,429	08/20/1996	Tsujita			06/14/1994
MBC	5,642,214	06/24/1997	Ishii, et al.			07/05/1994
MBC	5,680,189	10/21/1997	Shimizu, et al.			06/07/1995
MBC	5,742,370	04/21/1998	Kim, et al.			02/26/1997

Examiner *MBC*

Date Considered 10/1/04

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## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
MBC	5,757,451	05/26/1998	Miyazaki, et al.			09/09/1996
MBC	5,852,484	12/22/1998	Inoue, et al.			05/27/1997
MBC	5,854,664	12/29/1998	Inoue, et al.			09/25/1995
MBC	5,861,932	01/19/1999	Inata, et al.			03/30/1998
MBC	5,875,922	03/02/1999	Chastine, et al.			10/10/1997
MBC	5,952,676	09/14/1999	Sato, et al.			06/06/1997
MBC	5,956,112	09/21/1999	Fujimori, et al.			10/01/1996
MBC	6,001,203	12/14/1999	Yamada, et al.			12/10/1997
MBC	6,011,609	01/04/2000	Kato, et al.			10/02/1997
MBC	6,016,178	01/18/2000	Kataoka, et al.			03/14/1997
MBC	6,016,181	01/18/2000	Shimada			01/21/1997
MBC	6,055,035	04/25/2000	von Gutfeld, et al.			05/11/1998
MBC	6,163,357	12/19/2000	Nakamura			09/26/1997
MBC	6,219,126	04/17/2001	Von Gutfeld			11/20/1998
MBC	6,226,067	05/01/2001	Nishiguchi, et al.			09/30/1998
MBC	6,236,445	05/22/2001	Foschaar, et al.			02/22/1996
MBC	6,304,306	10/16/2001	Shiomi, et al.			04/20/1998
Examiner <i>Matt Celi</i>			Date Considered 10/1/04			
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*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
MBP	6,304,311	10/16/2001	Egami, et al.	—	—	11/11/1999
MBP	6,337,730	01/08/2002	Ozaki, et al.	—	—	06/01/1999
MBP	6,414,733	07/02/2002	Ishikawa, et al.	—	—	02/07/2000
MBP	2001/0021000	09/13/2001	Egami	—	—	02/01/2001

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO	
MBP	51-65656 ✓	06/07/1976	Japan	—	—	Abstract	
MBP	57-38414 ✓	03/03/1982	Japan	—	—	Abstract	
MBP	57-88428 ✓	06/02/1982	Japan	—	—	Abstract	
MBP	58-27126 ✓	02/17/1983	Japan	—	—	Abstract	
MBP	59-57221 ✓	04/02/1984	Japan	—	—	Abstract	
MBP	59-195222 ✓	11/06/1984	Japan	—	—	Abstract	
MBP	60-111221 ✓	06/17/1985	Japan	—	—	Abstract	
MBP	60-164723 ✓	08/27/1985	Japan	—	—	Abstract	
MBP	60-217343 ✓	10/30/1985	Japan	—	—	Abstract	
MBP	61-7822 ✓	01/14/1986	Japan	—	—	Abstract	

Examiner <i>MBP</i>	Date Considered 10/1/04
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FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub Class	Translation YES NO	
MBC		61-55625 ✓	03/20/1986	Japan	—	—	Abstract	
MBC		62-89025 ✓	04/23/1987	Japan	—	—	Abstract	
MBC		62-90622 ✓	04/25/1987	Japan	—	—	Abstract	
MBC		62-205319 ✓	09/09/1987	Japan	—	—	Abstract	
MBC		63-109413 ✓	05/14/1988	Japan	—	—	Abstract	
MBC		63-110425 ✓	05/14/1988	Japan	—	—	Abstract	
MBC		63-128315 ✓	05/31/1988	Japan	—	—	Abstract	
MBC		63-311233 ✓	12/20/1988	Japan	—	—	Abstract	
		<del>5-127179 ✓</del>	<del>05/25/1993</del>	<del>Japan</del>			<del>Abstract</del>	
MBC		5-154923 ✓	06/22/1993	Japan	—	—	Abstract	
MBC		5-265011 ✓	10/15/1993	Japan	—	—	Abstract	
MBC		5-281557 ✓	10/29/1993	Japan	—	—	Abstract	
MBC		5-281562 ✓	10/29/1993	Japan	—	—	Abstract	
MBC		6-148657 ✓	05/27/1994	Japan	—	—	Abstract	
MBC		6-160871 ✓	06/07/1994	Japan	—	—	Abstract	
MBC		6-235925 ✓	08/23/1994	Japan	—	—	Abstract	
MBC		6-265915 ✓	09/22/1994	Japan	—	—	Abstract	
MBC		6-313870 ✓	11/08/1994	Japan	—	—	Abstract	
Examiner <i>RLC</i>				Date Considered 10/1/04				
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**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO	
MBC		6-51256 ✓	02/25/1994	Japan	—	—	Abstract	
MBC		7-84268 ✓	03/31/1995	Japan	—	—	Abstract	
MBC		7-128674 ✓	05/19/1995	Japan	—	—	Abstract	
MBC		7-181507 ✓	07/21/1995	Japan	—	—	Abstract	
MBC		8-95066 ✓	04/12/1996	Japan	—	—	Abstract	
MBC		8-101395 ✓	04/16/1996	Japan	—	—	Abstract	
MBC		8-106101 ✓	04/23/1996	Japan	—	—	Abstract	
MBC		8-171094 ✓	07/02/1996	Japan	—	—	Abstract	
MBC		8-190099 ✓	07/23/1996	Japan	—	—	Abstract	
MBC		8-240807 ✓	09/17/1996	Japan	—	—	Abstract	
		9-5762 ✓	01/10/1997	Japan	—	—	Abstract	
MBC		9-26578 ✓	01/28/1997	Japan	—	—	Abstract	
MBC		9-61829 ✓	03/07/1997	Japan	—	—	Abstract	
MBC		9-73075 ✓	03/18/1997	Japan	—	—	Abstract	
MBC		9-73096 ✓	03/18/1997	Japan	—	—	Abstract	
MBC		9-127528 ✓	05/16/1997	Japan	—	—	Abstract	

Examiner <i>[Signature]</i>	Date Considered 10/1/04
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		Document Number	Date	Country	Class	Sub Class	Translation	
							YES	NO
MBC		9-230357 ✓	09/05/1997	Japan	—	—	Abstract	
MBC		9-281511 ✓	10/31/1997	Japan	—	—	Abstract	
MBC		9-311340 ✓	12/02/1997	Japan	—	—	Abstract	
MBC		10-123537 ✓	05/15/1998	Japan	—	—	Abstract	
MBC		10-123538 ✓	05/15/1998	Japan	—	—	Abstract	
MBC		10-142616 ✓	05/29/1998	Japan	—	—	Abstract	
MBC		10-177178 ✓	06/30/1998	Japan	—	—	Abstract	
MBC		10-221700 ✓	08/21/1998	Japan	—	—	Abstract	
MBC		10-282512 ✓	10/23/1998	Japan	—	—	Abstract	
MBC		10-333157 ✓	12/18/1998	Japan	—	—	Abstract	
MBC		10-333159 ✓	12/18/1998	Japan	—	—	Abstract	
MBC		11-14953 ✓	01/22/1999	Japan	—	—	Abstract	
MBC		11-38424 ✓	02/12/1999	Japan	—	—	Abstract	
MBC		11-64811 ✓	03/05/1999	Japan	—	—	Abstract	
MBC		11-109388 ✓	04/23/1999	Japan	—	—	Abstract	
MBC		11-133438 ✓	05/21/1999	Japan	—	—	Abstract	
MBC		11-142864 ✓	05/28/1999	Japan	—	—	Abstract	

Examiner

*[Signature]*

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10/1/04

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		Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO	
MBC		11-174477 ✓	07/02/1999	Japan	—	—	Abstract	
MBC		11-212045 ✓	08/06/1999	Japan	—	—	Abstract	
MBC		11-248930 ✓	09/17/1999	Japan	—	—	Abstract	
MBC		11-326922 ✓	11/26/1999	Japan	—	—	Abstract	
MBC		11-344714 ✓	12/14/1999	Japan	—	—	Abstract	
MBC		2000-2879 ✓	01/07/2000	Japan	—	—	Abstract	
MBC		2000-56311 ✓	02/25/2000	Japan	—	—	Abstract	
MBC		2000-66165 ✓	03/03/2000	Japan	—	—	Abstract	
MBC		2000-137235 ✓	05/16/2000	Japan	—	—	Abstract	
MBC		2000-147528 ✓	05/26/2000	Japan	—	—	Abstract	
MBC		2000-193988 ✓	07/14/2000	Japan	—	—	Abstract	
MBC		2000-241824 ✓	09/08/2000	Japan	—	—	Abstract	
MBC		2000-284295 ✓	10/13/2000	Japan	—	—	Abstract	
MBC		2000-29035 ✓	01/28/2000	Japan	—	—	Abstract	
MBC		2000-292799 ✓	10/20/2000	Japan	—	—	Abstract	
MBC		2000-310759 ✓	11/07/2000	Japan	—	—	Abstract	
Abs.		2000-310784 ✓	11/07/2000	Japan	—	—	Abstract	

  

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MBC		2000-338501 ✓	12/08/2000	Japan	—	—	Abstract	
MBC		2001-5401 ✓	01/12/2001	Japan	—	—	Abstract	
MBC		2001-5405 ✓	01/12/2001	Japan	—	—	Abstract	
MBC		2001-13506 ✓	01/19/2001	Japan	—	—	Abstract	
MBC		2001-33793 ✓	02/09/2001	Japan	—	—	Abstract	
MBC		2001-42341 ✓	02/16/2001	Japan	—	—	Abstract	
MBC		2001-51284 ✓	02/23/2001	Japan	—	—	Abstract	
MBC		2001-66615 ✓	03/16/2001	Japan	—	—	Abstract	
MBC		2001-91727 ✓	04/06/2001	Japan	—	—	Abstract	
MBC		2001-117105 ✓	04/27/2001	Japan	—	—	Abstract	
MBC		2001-117109 ✓	04/27/2001	Japan	—	—	Abstract	
MBC		2001-133745 ✓	05/18/2001	Japan	—	—	Abstract	
MBC		2001-133794 ✓	05/18/2001	Japan	—	—	Abstract	
MBC		2001-133799 ✓	05/18/2001	Japan	—	—	Abstract	
MBC		2001-142074 ✓	05/25/2001	Japan	—	—	Abstract	
MBC		2001-147437 ✓	05/29/2001	Japan	—	—	Abstract	
MBC		2001-154211 ✓	06/08/2001	Japan	—	—	Abstract	

  

Examiner <i>M. H. Cell</i>	Date Considered 10/1/04
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MBC		2001-166272 ✓	06/22/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-166310 ✓	06/22/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-183683 ✓	07/06/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-201750 ✓	07/27/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-209052 ✓	08/03/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-209060 ✓	08/03/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-215459 ✓	08/10/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-222017 ✓	08/17/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-235758 ✓	08/31/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-255542 ✓	09/21/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-264782 ✓	09/26/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-272640 ✓	10/05/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-281675 ✓	10/10/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-281678 ✓	10/10/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-282126 ✓	10/12/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-305563 ✓	10/13/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	
MBC		2001-330837 ✓	11/30/2001	Japan	<del>_____</del>	<del>_____</del>	Abstract	

  

Examiner <i>R. L. Chell</i>	Date Considered 10/1/04
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FOREIGN PATENT DOCUMENTS								
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MBC		2001-330840 ✓	11/30/2001	Japan	—	—	Abstract	
MBC		2001-356353 ✓	12/26/2001	Japan	—	—	Abstract	
MBC		2001-356354 ✓	12/26/2001	Japan	—	—	Abstract	
MBC		2002-14360 ✓	01/18/2002	Japan	—	—	Abstract	
MBC		2002-23176 ✓	01/23/2002	Japan	—	—	Abstract	
MBC		2002-49045 ✓	02/15/2002	Japan	—	—	Abstract	
MBC		2002-82340 ✓	03/22/2002	Japan	—	—	Abstract	
MBC		2002-90759 ✓	03/27/2002	Japan	—	—	Abstract	
MBC		2002-90760 ✓	03/27/2002	Japan	—	—	Abstract	
MBC		2002-107740 ✓	04/10/2002	Japan	—	—	Abstract	
MBC		2002-122872 ✓	04/26/2002	Japan	—	—	Abstract	
MBC		2002-122873 ✓	04/26/2002	Japan	—	—	Abstract	
MBC		2002-139734 ✓	05/17/2002	Japan	—	—	Abstract	
MBC		2002-202512 ✓	07/19/2002	Japan	—	—	Abstract	
MBC		2002-202514 ✓	07/19/2002	Japan	—	—	Abstract	
MBC		2002-214626 ✓	07/31/2002	Japan	—	—	Abstract	
MBC		2000-0035302 ✓	06/26/2000	Korea	—	—	Abstract	
MBC		1 003 066 ✓	05/24/2000	Europe	—	—		

  

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